



Commander, Naval Surface Force, Atlantic

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U.S. NAVY



USS COLE (DDG 67)

Guided Missile Destroyer

Homeport: Norfolk, Virginia

www.cole.navy.mil



Guided missile destroyers operate to safeguard and support carrier battle groups, surface action groups, amphibious ready groups and underway replenishment groups. Destroyers (DD) primarily perform anti-submarine warfare duty, however, guided missile destroyers (DDG) are multi-mission (anti-submarine, anti-air and anti-surface warfare) surface combatants.

The ARLEIGH BURKE class represents a culmination of technological advances that have improved the capability of modern destroyers. Named for the Navy's most famous destroyer squadron combat commander and three-time Chief of Naval Operations, ARLEIGH BURKE (DDG 51) was commissioned July 4, 1991 and was the most powerful surface combatant ever put to sea.

Designed for survivability, the DDG 51 class incorporates all-steel construction and many damage control features resulting from lessons learned during the Falkland Islands War and from the accidental attack on USS STARK. Like most modern U.S. surface combatants, the DDG 51 class utilizes gas turbine propulsion. Like the larger TICONDEROGA class cruisers, the DDG 51 class combat system centers around the Aegis Combat System and the SPY-1D, multi-function, phased array radar. Combining Aegis, the Vertical Launching System, an advanced anti-submarine warfare system, advanced anti-aircraft missiles, Tomahawk land attack missiles, and unique survivability features, the ARLEIGH BURKE class of guided missile destroyers continues the revolution at sea.

Cole is equipped with the world's most sophisticated weapon system. She has an AN/SPY-1D phased array radar, which incorporates significant advances in the detection capabilities of the AEGIS Weapons System, particularly in its resistance to enemy electronic countermeasures (ECM). Using the SPY-1D and her Mark 99 Fire Control System, Cole can guide her vertically launched Standard Missiles to intercept hostile aircraft and missiles at extended ranges. To provide point defense against hostile air targets, Cole is equipped with the Block 1 upgrade to the Phalanx Close In Weapons System (CIWS).

Cole is also equipped with the Navy's latest ASUW Combat Systems. Land attack cruise missile capability is provided by Tomahawk missiles, which are launched from her Mark 41 Vertical Launching System (VLS). Her shorter range Harpoon anti-ship cruise missiles have a range in excess of 65 nautical miles. The 5"/54 caliber gun, in conjunction with the Mark 34 Gun Weapon System, is an anti-ship weapon which can also be used for close-in air contacts or to support forces ashore with Naval Gunfire Support (NFGS).

Cole matches maximum survivability with her potent offensive capability. In the Arleigh Burke Class, all-steel construction is used. Extensive top-side armor is placed around vital combat systems and machinery spaces, and a new large-waterplane area hull form significantly improves seakeeping ability. Acoustic, infrared and radar signatures have been reduced, and vital shipboard systems are hardened against electro-magnetic pulse and over-pressure damage. A comprehensive Collective Protection System guards against nuclear, chemical or biological events. State-of-the-art propulsion and damage control systems are managed by an all-new data multi-plexing system.

Home to a crew of over 330, Cole has most services associated with a small town at sea, including dining, banking, ATM, laundry, post office and shopping facilities, over 10,000 line items of spare parts, and a barber shop. A marvel of modern technology and engineering, Cole is a powerful instrument of peace in the service of her nation, capable of sustaining herself at sea for months at a time. Cole is the premier warship designed to carry out the U.S. Navy's missions today, and into the next century.

SHIP'S SPECIFICATIONS:

GENERAL

Length - 505 ft. 6 in.
Beam (Maximum)- 66 ft. 6in.
Speed: 30+ knots
Draft (Navigational)- 20 ft, 4 in.
Displacement- 16,400 tons
Complement-25 officers, 329 enlisted

ENGINEERING

Propulsion: 4 16 Cylinder
Colt-Pielsticks, 4 12-Cylinder
Diesel Generators, 33,000 Shaft
Horsepower, 2 13.5 ft. diameter
Controllable Pitch

SENSORS

AN/SPY-1D (Four Panel Array)
AN/SPS-67 Surface Search
AN/SPS-64(V)9 Navigation
AN/SPG-62 Fire Control Illuminators
AN/SQS-53C Hull Mounted Sonar
AN/SQR-19B Towed Array Sonar
SQQ-89(V)6 ASW Combat System
AN/SLQ-32(V)3 (2 Antennas)
AN/SLQ-25A NIXIE Torpedo
Countermeasures

WEAPONS

MK-41 Vertical Launching System (VLS)- 96
Cell Total
Standard Missile (Surface-to-Air)
Tomahawk Land Attack Missile
Quad Launcher For Harpoon Anti-Ship Missile
MK-32 SVTT Triple Tube Torpedo Launchers
MK-36 MOD 6 SRBOC Chaff Launchers
MK-45 MOD 2 -5 in. 54 Cal. Cannons
CIWS MK-15 MOD 2, 20mm 6-Barrel Mounts
M2HB, 50 Cal. Machine Guns
M60, 7.62mm Machine Guns

AIRCRAFT

Keel Laid: February 28, 1994

Christened: February 10, 1995

Commissioned: June 8, 1996